

ABSTRACT OF THE DISCLOSURE

To provide a plate of high resolution and large area. The channel plate configured by including a substrate, a first electrode placed on the top face of the substrate, and a second electrode placed on the bottom face of the substrate, wherein the substrate is a porous element having a plurality of pores extending therethrough, and the porous element is formed by a compound including aluminum, and the porous element has an electron multiplier on a wall surface of the pore.